Abstract of the Disclosure

In a data packet router, a router fabric card for routing data packets

5   is provided. The router fabric card comprises a plurality of ingress/egress

ports, the ports connected through a switching facility for switching

connection states of the port paths between individual ingress paths and

individual egress paths on the fabric card, and a scheduling component for

scheduling communication between ports on the fabric card. Data coming

10   into ingress on the card is organized into individual data-packet trains, each

individual train comprising data packets and inserted data denoting a starting

point and an ending point of a train. The switching facility recognizes the

start data and the end data of a train and switches port paths to a next-

assigned connection state accordingly.

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